

REFERENCE TEST ARENAS FOR URBAN SEARCH AND RESCUE ROBOTS



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GOAL:

Improve our ability to measure the capabilities of mobile robots.

CUSTOMERS:

Researchers

- Develop repeatable obstacles (sensory and physical) focused toward perception and intelligent behaviors
- Proliferate standard obstacles to test components and algorithms
- Compare implementations, support collaboration among development teams

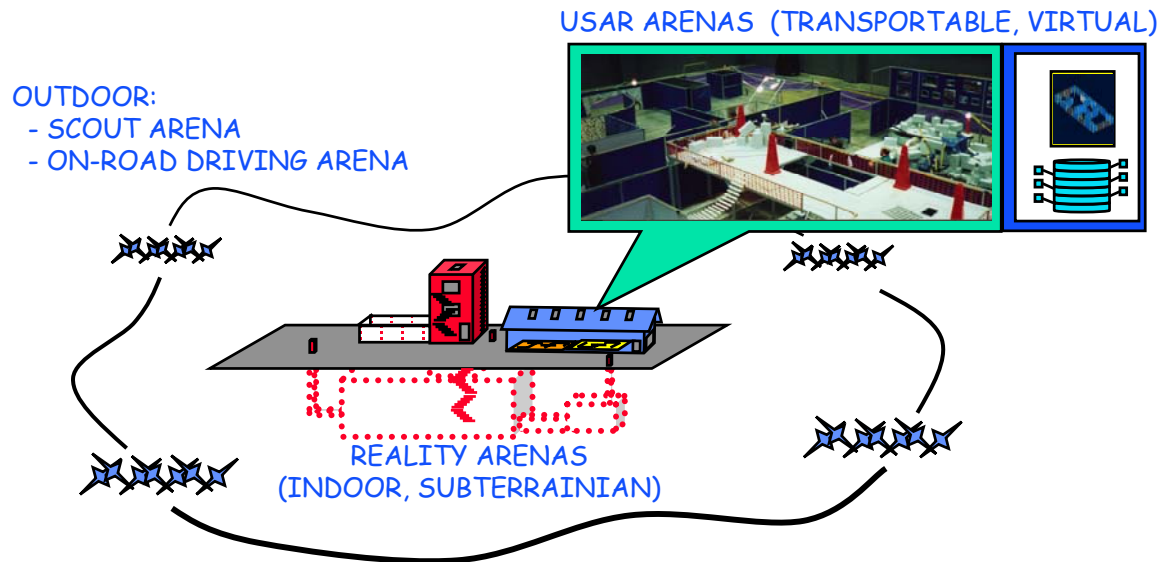
Sponsors

- Objectively evaluate robots in representative environments
- Identify strengths/weaknesses, compare cost effectiveness

Users

- Will benefit from performance metrics and standards for mobile robot capabilities

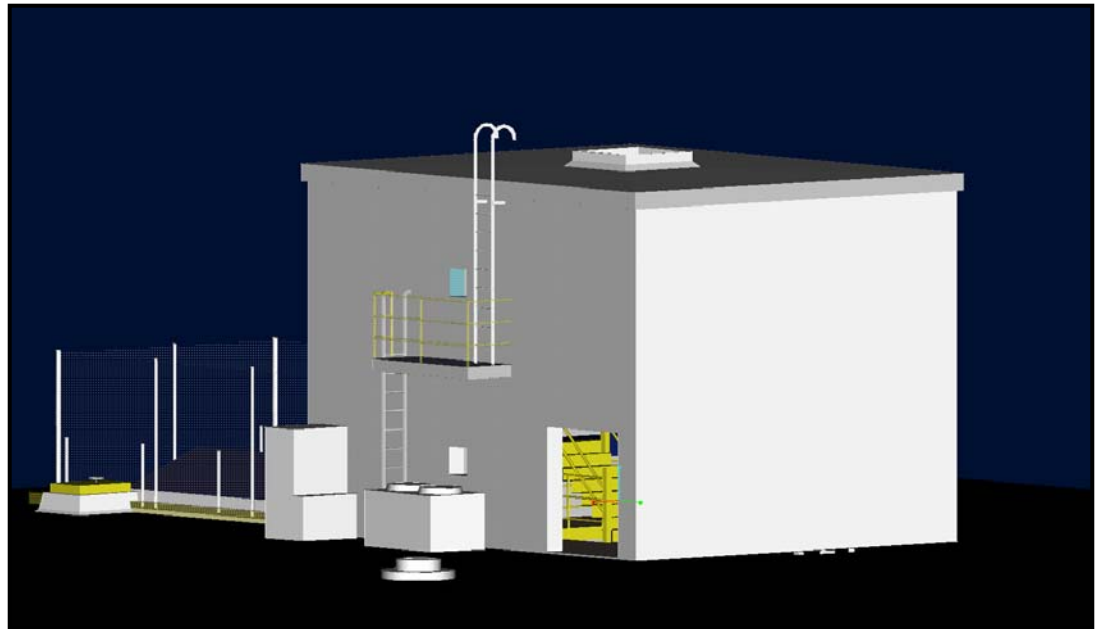
Develop a facility that accelerates the advancement of mobile robot capabilities and provides a stepping stone from research to deployment

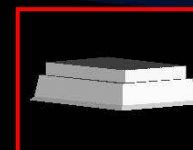


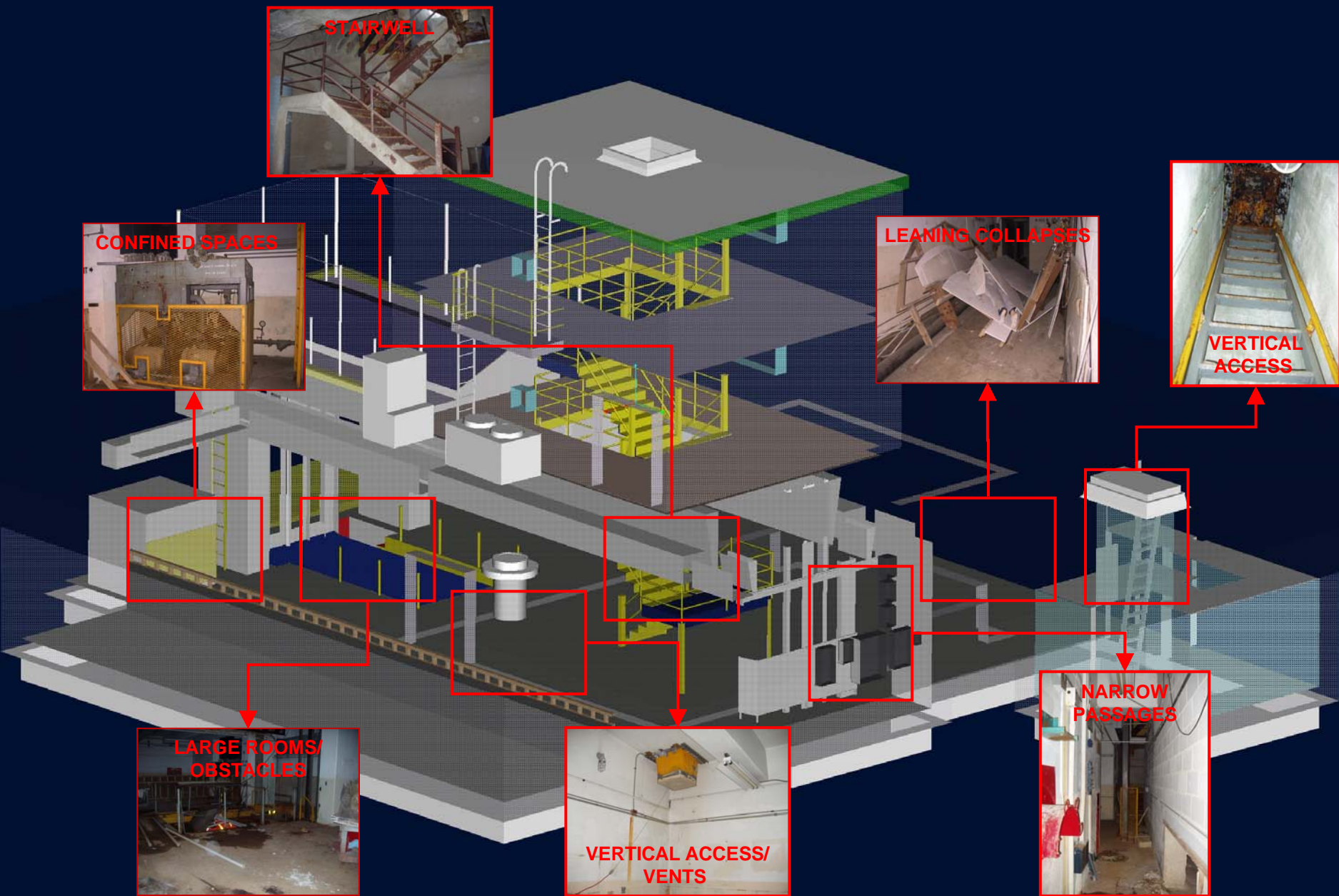
- *Objectively evaluate robotic components and methods*
- *Develop performance metrics and standards for mobile robots*
- *Foster collaboration among robotics researchers*

GENERAL INFORMATION

- Originally a NIKE missile facility
- Converted into stairwell burn facility
- Above ground section with multiple entrances
- Below ground section covers over 300 square meters
- Currently used to test urban search and rescue robots
- NIST controlled
- NO COST to using the arena









FOR MORE INFORMATION AND/OR ARRANGE A VISIT...

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